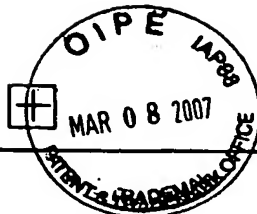


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of

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Application Number	10/755,932
Filing Date	January 13, 2004
First Named Inventor	CHARLES, Steve T.
Group Art Unit	3733
Examiner Name	Pedro Philogene
Attorney Docket Number	225929

## U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
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		3949747		Hevesy	April 1976	
		4401433		Luther	August 1983	
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		4573452		Greenberg	March 1986	
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		4849692		Blood	July 1989	
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		4995402		Smith	February 1991	
		5053687		Merlet	October 1991	
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		5243266		Kasagami et al.	September 1993	
		5251127		Raab	October 1993	
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		5339799		Kami	August 1994	
		5343385		Joskowicz et al.	August 1994	
		5354158		Sheldon et al.	October 1994	
		5383454		Bucholz	January 1995	
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Examiner Signature

/Pedro Philogene/

Date Considered

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				Attorney Docket Number	225929
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		Application or Patent Number	Kind Code			
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		5408409		Glassman et al.	April 1995	
		5817084		Jensen	October 1998	
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		5415182		Chin et al.	May 1995	
		5417210		Funda et al.	May 1995	
		5425616		Arai et al.	June 1995	
		5445166		Taylor	August 1995	
		5453686		Anderson	September 1995	
		5464013		Lemelson	November 1995	
		5494034		Schlondorff et al.	February 1996	
		5564436		Hakky et al.	October 1996	
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		5568593		Demarest et al.	October 1996	
		5571072		Kronner	November 1996	
		5572999		Funda et al.	November 1996	
		5575798		Koutrouvelis	November 1996	
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		5600330		Blood	February 1997	
		5628327		Unger et al.	May 1997	
		5630431		Taylor	May 1997	
		5640170		Anderson	June 1997	
		5643286		Warner et al.	July 1997	
		5647373		Paltieli	July 1997	
		5676673		Ferre et al.	October 1997	
		5695500		Taylor et al.	December 1997	
		5710870		Ohm et al.	January 1998	
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		5748767		Raab	May 1998	
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		Application or Patent Number	Kind Code			
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		5825536		Yasunaga et al.	October 1998	
		5828197		Martin et al.	October 1998	
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		5851183		Bucholz	December 1998	
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## **U.S. PATENT DOCUMENTS**

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate	
		Application or Patent Number	Kind Code				
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		6491701		Tierney et al.	December 2002		
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Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation	
		Office	Application or Patent Number	Kind Code			Yes	No**
/PP/ ↓ ↓ ↓ ↓ ↓ ↓ ↓		EP	0009447	A1	Lande et al.	April 1980		
		EP	0649217	A1	Smith & Nephew Dyonics Inc.	April 1995		
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		WO	9809580	A1	Immerson Human Interface Corp.	March 1998		
		WO	9910137	A1	MicroDexterity Systems, Inc.	March 1999		
		WO	0028882	A2	MicroDexterity Systems, Inc.	May 2000		
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		WO	02060653	A2	The Acrobot Company Limited	August 2002		

## **OTHER - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
/PP/		International Search Report (06/2002)		
/PP/		SHAI-SYG Motion & Innovations Ltd.; Robolite; copy of internet home page. Applicants first became aware of this material in June 1998.		
/PP/		MicroE Inc.; copies of internet brochure pages of Rotary Micro Encoder and Linear Micro Encoder. Applicants first became aware of this material in August 1998.		
/PP/		Computer Optical Products, Inc.; copies of internet home page and application notes relating to Hathaway Motion Control. Applicants first became aware of this material in Aug. 1998.		
/PP/		Computer Optical Products, Inc.; copies of internet home page and application notes relating to Hathaway Motion Control. Applicants first became aware of this material in Aug. 1998.		

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